

Amendments to the Specification:

Please replace the paragraph beginning on page 4, line 31 by the following rewritten paragraph:

In accordance with Figs. 1 to 4, the guide component consists of metal, plastic or ceramics. The flow direction of the individual fluid flows a and b is from the channel inlet sides 2a and 2b to the channel outlet side 3a and 3b, which open into a common mixing chamber 4 and form the common fluid flow C. The channels 5a and 5b extend at an angle with respect to the longitudinal axis 16 of the micromixer and have, at the exit end of the embodiment, which was used for generating the data for the measurement curve represented in Fig. 6, a height of about 150  $\mu\text{m}$  with a slot width of 9mm. At the entrance side, the channels have a height of about 1.5 mm and a slot width of about 11 mm. The wall thickness between two channels is at the exit side about 150  $\mu\text{m}$ .